Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	07/01/2021 09:16 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	06/17/2021 09:50 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	12757	Expiration Date:	06/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	123592	-2	1.18	123527	1.16
Blue	F	SSC	125000	124366	-1	2.28	124761	2.20
Blue	E	FITC	13131	12831	-3	2.21	295	15.61
Blue	D	PE	24112	23750	-2	1.61	545	10.78
Blue	B	PerCP-Cy5-5	31295	30568	-3	2.99	1012	14.31
Blue	A	PE-Cy7	19939	19586	-2	5.22	521	28.60
Red	C	APC	42122	41866	-1	3.02	1759	11.21
Red	A	APC-Cy7	22340	21658	-4	3.34	811	11.37
Violet	B	V450	7410	7043	-5	3.45	427	12.18
Violet	A	V500	28118	26993	-5	3.07	673	9.74

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	23004	0.96	565	-4	N/A	N/A	Pass
Blue	F	SSC	57848	1.07	517	5	N/A	N/A	Pass
Blue	E	FITC	55	53.22	486	-1	0.0402	74	Pass
Blue	D	PE	114	36.61	488	0	0.3928	276	Pass
Blue	B	PerCP-Cy5-5	186	35.94	584	-2	0.0207	88	Pass
Blue	A	PE-Cy7	106	65.23	626	-2	0.0228	0	Pass
Red	C	APC	405	23.67	577	1	0.0293	200	Pass
Red	A	APC-Cy7	181	26.87	550	-1	0.0067	1076	Pass
Violet	B	V450	60	61.77	458	5	0.0667	2335	Pass
Violet	A	V500	98	34.80	470	5	0.0275	1072	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.97 - 71.95	N/A	N/A	-31.83	-31.58	1.00
Blue	20.35	16.28 - 24.42	1.28	1.02 - 1.52	0.00	0.00	1.42
Red	16.12	13.60 - 20.40	N/A	N/A	29.96	30.16	1.22

Window Extension: 7.00
FSC Area Scaling Factor: 0.75

Threshold

Threshold (FSC): 10131

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments